Info-Hams Digest   Wed, 30 Mar 94   Volume 94 : Issue 344

Today's Topics:
                    AO-13 operating schedule notations
                        Army MARS on the Internet
                          CALLBOOK ON INTERNET
                HELP: Anyone know what a XR2206 chip is?
                            IC901A Fiber link
                            Kill that intermod!
                          New Award Announcement
                          Obscenity on ham bands
                           Plain old repeaters
                      PRIBOLOV ISLANDS - ACTIVE HAM
                        query about paging systems
                        Question on Kenwood 732 A
                             W1AW SCHEDULE
              WHAT IS THE BEST DUAL BANDER HAND HELD 2M/70CM

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 29 Mar 94 19:41:06 GMT
From: agate!howland.reston.ans.net!pipex!sunic!psinntp!psinntp!arrl.org!
zlau@ucbvax.berkeley.edu
Subject: AO-13 operating schedule notations
To: info-hams@ucsd.edu

Eric A Cottrell (eac@world.std.com) wrote:
: In <"28-Mar-94.15:15:58.EST".*.mark_t._phillips.henr801c@Xerox.com>
mark_t._phillips.henr801c@xerox.COM writes:

: I believe BS is mode B with the Mode S beacon operating. Due to a problem
: the mode S transponder and mode S beacon can not be on at the same time.

It refers to both transponders working simultaneously,
possibly allowing crossmode contacts. According to the
designer, Bill McCaa (Feb 89 QST), it was *suppose*
to be impossible for the beacon to be on when the
mode S transponder was on, though he had second thoughts
after it was done. I'm sure Bill will be available
to talk to at the Microwave Update this fall in
Estes Park, Colorado.

--
Zack Lau KH6CP/1   2 way QRP WAS
                             8 States on 10 GHz
Internet: zlau@arrl.org   10 grids on 2304 MHz

Date: 29 Mar 1994 09:03:03 -0500
From: hp81.prod.aol.net!search01.news.aol.com!not-for-mail@uunet.uu.net
Subject: Army MARS on the Internet
To: info-hams@ucsd.edu

NR 28 R 291300 MAR 94
FM KENNETH W SCHILDT/AAA9AT TN
      ARMY MARS INTERNET/MILNET HOST ADMINISTRATOR
TO ALL ARMY MARS MEMBERS
GR NC
BT
ARMY MARS HAS ESTABLISHED AN EMAIL HOST ON THE INTERNET
IF YOU HAVE ACCESS TO THE INTERNET/MILNET WE WOULD LIKE
TO KNOW WHO YOU ARE PLEASE SEND A MESSAGE TO
REGISTER@MARS.ARMY.MIL ALONG WITH YOUR ARMY MARS CALL
IN THE SUBJECT LINE SGD KENNETH SCHILDT
BT

NNNN

Date: 29 Mar 94 04:11:06 GMT
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!
news.moneng.mei.com!uwm.edu!reuter.cse.ogi.edu!netnews.nwnet.net!

bach.seattleu.edu!quick!ole!rwing!eskimo!wrt@network.ucsd.
Subject: CALLBOOK ON INTERNET
To: info-hams@ucsd.edu

In article <1994Mar28.133651.340@pacs.sunbelt.net>,
DORR DEPEW <ddepew@CHM.TEC.SC.US> wrote:
>I have heard that there are several Callbook databases available
>through the net, but have been unable to locate any. If you have
>one that you like to use, please let me know by E-Mail. Thanks.
>
>Dorr Depew
>N4QIX

I know of one: telnet to callsign.cs.buffalo.edu 2000 and do the usual
readmes, etc. This is FCC data only, so no furriner info available. If
anyone knows of others, I'd like to know about 'em too.

73 es gl

Bill, W7LZP

Date: 29 Mar 1994 15:40:16 GMT
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!EU.net!sunic!
psinntp!psinntp!news.ge.com!knight.vf.ge.com!cnn.motown.ge.com!epi041!
lweissma@network.ucsd.edu
Subject: HELP: Anyone know what a XR2206 chip is?
To: info-hams@ucsd.edu

The XR-2206 is a monolithic function generator IC capable
of producing sine, square, triangle ramp, and pulse
waveforms. It is used for communications, instrumentation,
and function generator applications. I have the data book
from EXAR from March 1985. I don't know the availability
of the part, but the phone number in the book is
408-732-7970. 750 Palomar Ave, Sunyvale, CA 94086. I don't
know of any equivalent parts, but I'll keep my eyes open
for one. If you need a copy of the spec, let me know and I
can mail it to you.

Where have all the sunspots gone?

Larry Weissman AD3Y | All opinions expressed are my own and
Martin Marietta Corp. | in no way related to my company. All my

```
Moorestown, NJ   USA    | designs are my companies and in no way
lweissma@motown.ge.com  | considered my own.
```

```
Date: 29 Mar 94 04:41:17 GMT
From: bobsbox.rent.com!news@rutgers.rutgers.edu
Subject: IC901A Fiber link
To: info-hams@ucsd.edu
```

I am curious if anyone has had any experience with setting up the Icom IC901A
using the fiber optic link of 500 feet. The emergency office of management in
my town is setting an office of communications. We have the opportunity to
use a celluar tower on a building about 500 feet anyway. The tower is about
100 feet. The IC901A's fiber kit seems to ideal for full function remote
control of the radio. The tech support people at Icom say that there was a
customer in Alaska several years ago that used the same fiber kit on a marine
radio succesfully. The tech could not remember if they used pastice or glass
cable. We have tried a 500 foot run of the plastice cable and it did not
work. The question is does any body know of a source on glass cable that
match the custom connectors that Icom uses. Along with the source of such a
cable any knowledge as to whether or not glass will work. I would appreciate
any information or suggestions. Please forward responses to me directly.

1. Source of glass fiber (not plastice) compatible with the Icom 901
2. Capability of the glass fiber working over 500 feet
3. Send responses to DJK@bobsbox.rent.com

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--
-- David Klippel djk@bobsbox.rent.com
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Date: Tue, 29 Mar 1994 06:26:02 GMT
From: ihnp4.ucsd.edu!swrinde!sgiblab!cs.uoregon.edu!reuter.cse.ogi.edu!
netnews.nwnet.net!bach.seattleu.edu!quick!ole!ssc!fylz!eskimo!wrt@network.ucsd.edu
Subject: Kill that intermod!
To: info-hams@ucsd.edu
```

```
Date: 30 Mar 94 03:55:05 GMT
From: dog.ee.lbl.gov!agate!library.ucla.edu!news.ucdavis.edu!modem62.ucdavis.edu!
ddtodd@ucbvax.berkeley.edu
Subject: New Award Announcement
To: info-hams@ucsd.edu
```

In article <1994Mar29.124031.4189@arrl.org> ehare@arrl.org (Ed Hare (KA1CV))
writes:
>Xref: news.ucdavis.edu rec.radio.amateur.misc:23438
>Newsgroups: rec.radio.amateur.misc
>Path: news.ucdavis.edu!agate!howland.reston.ans.net!usc!elroy.jpl.nasa.gov!
decwrl!olivea!sgigate.sgi.com!sgiblab!wetware!spunky.RedBrick.COM!psinntp!psinntp!
arrl.org!ehare
>From: ehare@arrl.org (Ed Hare (KA1CV))
>Subject: Re: New Award Announcement
>References: <2n7e2a$7mp@paperboy.ids.net>
>Organization: American Radio Relay League
>Date: Tue, 29 Mar 1994 12:40:31 GMT
>X-Newsreader: TIN [version 1.2 PL2]
>Message-ID: <1994Mar29.124031.4189@arrl.org>
>Lines: 18

>Rev. Michael P. Deignan (kd1hz@anomaly.sbs.com) wrote:

>: <inflammation deleted>

>It is clear that you care more about your own self-gratification
>than you do any real goal in ham radio. This kind of drek is as bad
>as anything I have ever listened to on 11 meters. We know, after
>all of your preaching, that you would never put it on the ham bands.
It's about time you figured it out Ed. He would put it on the radio too.
Didn't you read the posts where he describes how he taunts "CB transplants" by
using all sorts of CBisms? I think the justification was to show them how
stupid they sound. (or something equally ridiculous) Kinda reminds mo of
those guys on HF swearing at one another to stop swearing and get off my freq.

cheers,
Dan

Date: Mon, 28 Mar 94 22:11:07 PST
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!news.cac.psu.edu!
news.pop.psu.edu!ctc.com!news.mic.ucla.edu!unixg.ubc.ca!nntp.cs.ubc.ca!mala.bc.ca!
oneb!ham!emd@@.
Subject: Obscenity on ham bands
To: info-hams@ucsd.edu

dhughes@prairienet.org (Dan Hughes) writes:

>

> I just passed my no-code test last week, and have been listening to some
> ham chatter on my SW receiver. Saturday night on 3910 kHz I heard some
> of the most disgusting language I've encountered anywhere. One guy was
> spouting one obscentity after another, and three other guys were laughing
> at his inept signal and giving it right back to him. All but the
> instigator were regularly giving their calls. Is this pretty much what I
> have to look forward to?
> --

Just like everywhere else in society, we have our own assortment of
garbage mouths. As the civility of our overall society decreases (watched
many recently made movies lately?) so, too, does that of the amateur
population. Fortunately, the good guys are still in the majority, but for
how long?

Robert Smits   There is *no* idiotproof filter.
VE7EMD   Idiots are proof against anything!
Ladysmith B.C.   - Richard Chycoski, VE7CVS
e-mail: emd@ham.almanac.bc.ca

Date: 29 Mar 1994 11:09:16 -0500
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!
news.intercon.com!news1.digex.net!access1!bote@network.ucsd.edu
Subject: Plain old repeaters
To: info-hams@ucsd.edu

hammock@kelvin.jpl.nasa.gov (Randy Hammock) writes:
>In fact, if you don't like hearing the beeps on our machines, all you
>have to do is turn on your CTCSS as our repeaters encode PL on their
>outputs ONLY when they are receiving a signal in the input. Except for

We tried something similar to this for a while.

We repeated the PL of users, so that some of us
 only heard certain users who transmitted the
PL for which we were listening.

When we went to multiple sites that became problematic,
so we have reverted to the transmitter sending
PL full time.

--

rec.nude: your exit to good living along the Information Toll Road.
finger bote@access.digex.net for PGP key and an operator will help you.

Only 5 days until Opening Day! How 'bout them Os!!

Date: 30 Mar 94 05:48:46 GMT
From: dog.ee.lbl.gov!agate!howland.reston.ans.net!usenet.ins.cwru.edu!
cleveland.Freenet.Edu!cq068@ucbvax.berkeley.edu
Subject: PRIBOLOV ISLANDS - ACTIVE HAM
To: info-hams@ucsd.edu

If you are looking for grid square or otherwise and need an AK
or island station I have relative there who is active on 15 and
10 when open.
Leave name, call and I'll forward sched to you and to him.

Steven Lapinskas
KA1JJA
cq068@Cleveland.freenet.edu

Date: 29 Mar 94 07:59:16 EDT
From: dog.ee.lbl.gov!agate!howland.reston.ans.net!europa.eng.gtefsd.com!
news.umbc.edu!eff!neoucom.edu!news.ysu.edu!malgudi.oar.net!mercury.wright.edu!
desire.wright.edu!matrix.@ihnp4.ucsd.edu
Subject: query about paging systems
To: info-hams@ucsd.edu

In article <940323201739.85cb@gms.mh.wp.kgf.com>, RGS@gfimda.UUCP (Robert G.
Schaffrath) writes:
>>I'm taking a Communications Engineering course for which I need to do a
>>short term paper. I was thinking about doing one on the technical
>>challenges that were faced when implementing the radio-pager systems that
>>are in place today. Can anyone suggest where I could obtain such
>>information. Does such technical information only exist within the confines
>>of Motorola? I'm an image processing person, so I'm not up on the
>>communications journals.
>>
>>Any help would be appreciated.
>>
>>
>>Regards and 73,
>>Neil
>>

Also check out the following:

IEEE Transactions on Vehicular Technology   call no. TK7882.M6I2

Mobile Communications Design Fundemental by William C. Y. Lee
publisher H.W. Sams and Co. call no. TK6570.M6 L36 1986

Communications Magazine

This topic might also be called Landmobile Communications by some authors or
publications. The IEEE for certain has a lot of information you might ask
the reference librarian to see the IEEE cross index by subject for their
pubications, They have numerous articles on the theroy of mobile communications
system design. Another one I just thought of is the old Bell System journals
they wrote some of the orignal papers on cellular communications concepts
back in 70's when I took my comm classes I did that topic for my research
paper and got overwhelmed quickly with info.

73, Wes WB8CEH

Date: 28 Mar 94 23:39:45 -0600
From: agate!howland.reston.ans.net!vixen.cso.uiuc.edu!newsrelay.iastate.edu!
cobra.uni.edu!conklic9391@ames.arpa
Subject: Question on Kenwood 732 A
To: info-hams@ucsd.edu

In article <2n672m$eer@news.iastate.edu>, bwehr@iastate.edu (BDW) writes:
> Was wondering if anyone out there in radio land has had any experience with
> the Kenwood TM-732A its a mobil dual band and looks like a real nice piece. So
> If you own one or know someone that does let me know what you think of it.
> Thanks.
>
> -Brant

You should've asked me while you were in town last weekend ;-)

Chuck (WA0INC) has (possibly past tense, HAD) one of these, and it picks up
mongo intermod, even in relatively (??) quiet Waterloo.
AND, he lives 3-4 miles West of downtown-radio-central.
Also, this may be only his individual 732, at any of a dozen or so 440Mhz
freqs, when he transmitts into a good antenna (he checked it- other radios
don't do this) with any power level, he keys up his 443.75 machine.

Possibly Kenwood is introducing the TM-733 to fix these problems?
Or is it getting towards Dayton-time and they're rolling out the new
models trying to convince us that our 2 year old radios are obsolete??

Chris Conklin
Masters of Public Policy Student, University of Northern Iowa
ax.25 N0PAV@WA0RGV.IA
voice 444.65

                         W1AW Schedule

```
Time (EST)     Mode          Days
----------     ----     --------------------
12     AM      RTTY     Daily
12:45 AM       VOICE    Daily
9      AM      CWs      Wed, Fri
9      AM      CWf      Tue, Thu
10     AM      CWb      Tue-Fri
11     AM      RTTY     Tue-Fri

4      PM      CWf      Mon, Wed, Fri
4      PM      CWs      Tue, Thu, Sat, Sun
5      PM      CWb      Daily
6      PM      RTTY     Daily
7      PM      CWs      Mon, Wed, Fri
7      PM      CWf      Tue, Thu, Sat, Sun
8      PM      CWb      Daily
9      PM      RTTY     Daily
9:45   PM      VOICE    Daily
10     PM      CWf      Mon, Wed, Fri
10     PM      CWs      Tue, Thu, Sat, Sun
11     PM      CWb      Daily
```

                      Frequencies (MHz)

```
CW:      1.818  3.5815  7.0475  14.0475  18.0975  21.0675  28.0675  147.555
RTTY:      -    3.625   7.095   14.095   18.1025  21.095   28.095   147.555
VOICE:   1.855  3.99    7.29    14.29    18.16    21.39    28.59    147.555
```

Notes:
CW frequencies include code practices, Qualifying Runs and CW bulletins.
CWs = Morse Code practice (slow) = 5 - 7.5 - 10 - 13 - 15 WPM

CWf = Morse Code practice (fast) = 35 - 30 - 25 - 20 - 15 - 13 - 10 WPM
CWb = Morse Code Bulletins = 18 WPM
RTTY= Teleprinter Bulletins = BAUDOT (45.45 baud) and AMTOR-FEC (100 Baud).
      ASCII (110 Baud) is sent only as time allows.

Code practice texts are from QST, and the source of each practice is given at
the beginning of each practice and at the beginning of alternate speeds.

A DX bulletin replaces or is added to the regular bulletins between 8 P.M.
Eastern time Thursdays and 8 P.M. Eastern time Fridays.

On Tuesdays and Saturdays at 6:30 P.M. Eastern time, Keplerian Elements for
active amateur satellites are sent on the regular teleprinter frequencies.

In a communications emergency, monitor W1AW for special bulletins as follows:
voice on the hour, teleprinter at 15 minutes past the hour, and CW
on the half hour.

W1AW is open to visitors during normal operating hours: from 1 P.M. to 1 A.M.
on Mondays, 9 A.M. to 1 A.M. Tuesday through Friday, 1 P.M. to 1 A.M. on
Saturdays, and from 3:30 P.M. to 1 A.M. on Sundays. FCC licensed amateurs may
operate the station from 1 to 4 P.M. Monday through Saturday. Be sure to
bring your current FCC amateur license or a photocopy.

Headquarters and W1AW are closed on New Year's Day, President's Day, Good
Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving and the
following Friday, and Christmas Day. On the first Thursday of September,
Headquarters and W1AW will be closed during the afternoon.

Date: Tue, 29 Mar 94 04:54:59 GMT
From: netcomsv!netcomsv!skyld!jangus@decwrl.dec.com
Subject: WHAT IS THE BEST DUAL BANDER HAND HELD 2M/70CM
To: info-hams@ucsd.edu

In article <CnDDGG.1H7@holly.can.com> ** none ** writes:

  > I am in the process of trying to decide what to buy, I know I am

  From experience with all three:

  Kenwood Handhelds, TH-75 Nice dualbander, but difficult to see display
  in the dark. Because of this and a couple of near misses on the freeway,
  I sold it and replaced it with a TH-77. All the accessories are (for the
  most part) interchangable. The TH-77 has back-lit buttons and is a SNAP
  to adjust in the dark.

The TH-78 is a smaller product and in their haste to make it smaller,
Kenwood threw out any requirements for intermodulation susceptibility.
An otherwise nice radio as long you only user the rubber antenna and
work solid repeaters.

73 es GM from Jeff


```
 Amateur: WA6FWI@WA6FWI.#SOCA.CA.USA.NOAM | "You have a flair for adding
Internet: jangus@skyld.grendel.com        |  a fanciful dimension to any
 US Mail: PO Box 4425 Carson, CA 90749     |  story."
   Phone: 1 (310) 324-6080                 |          Peking Noodle Co.
```

Date: 29 Mar 1994 10:59:37 -0500
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!
news.intercon.com!news1.digex.net!access1!bote@network.ucsd.edu
To: info-hams@ucsd.edu

References <bote.764487800@access3>, <VBREAULT.94Mar25134216@rinhp750.gmr.com>,
<Cn8ttu.AHI@news.Hawaii.Edu>
Subject : Re: Voice mail on a repeater?

jherman@uhunix3.uhcc.Hawaii.Edu (Jeffrey Herman) writes:
>Are there any repeaters left in this country that just repeat, including
>no musical tones or beeps when you drop your carrier? I miss the old

Try the 147.180 repeater in Silver Spring, Maryland.

It does have autopatch (sorry Gary!) but it does
not have any obnoxious beeps, save for the beep
when the controller recovers from a hardware reset.
If it beeps, then something is wrong!

Otherwise, when you talk, it repeats you. When
you quit talking, it gives whatever squelch tail
the MICOR receivers in the voting system decide
to give you, then quits talking about 1.5 seconds
later.

--

rec.nude: your exit to good living along the Information Toll Road.
finger bote@access.digex.net for PGP key and an operator will help you.
Only 5 days until Opening Day! How 'bout them Os!!

Date: Wed, 30 Mar 1994 05:37:19 GMT
From: news.Hawaii.Edu!uhunix3.uhcc.Hawaii.Edu!jherman@ames.arpa
To: info-hams@ucsd.edu

References <2n7901$6n4@apple.com>, <CnECJu.2L0@news.Hawaii.Edu>,
<1994Mar29.143925.20248@ke4zv.atl.ga.us>i.
Subject : Re: 1x1 Callsigns?

In article <1994Mar29.143925.20248@ke4zv.atl.ga.us> gary@ke4zv.UUCP (Gary Coffman)
writes:
>In article <CnECJu.2L0@news.Hawaii.Edu> jherman@uhunix3.uhcc.Hawaii.Edu (Jeffrey
Herman) writes:
>>
>>Kok: Know who first used `iff' in the literature? Hint: He used to be
>>Chairman of the U.H. Math Dept. (didn't stay long, though...) and he
>>is quite famous. [VERY big hint: his intials are P.H.]
>
>PAUL HARVEY used to be chairman of the UH math department???
>
>Gary
>
>
>:-)

Ha ha ha! That's cute!   But you did get the first name correct.

Jeff NH6IL

Date: 29 Mar 1994 11:04:07 -0500
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!
news.intercon.com!news1.digex.net!access1!bote@network.ucsd.edu
To: info-hams@ucsd.edu

References <VBREAULT.94Mar25134216@rinhp750.gmr.com>,
<Cn8ttu.AHI@news.Hawaii.Edu>, <1994Mar26.180734.6273@ke4zv.atl.ga.us>
Subject : Plain old repeaters

gary@ke4zv.atl.ga.us (Gary Coffman) writes:
>Mr. Herman wrote:
>>Gary: I'll be disappointed if your repeater beeps.

>Sorry, you're disappointed. It does "roger beep" to signal user
>carrier drop and timer reset. We run near zero tail so remote base
>operators aren't locked out. We tried it without the beep, but users
>complained they couldn't get in the machine. They couldn't hear their

>kerchunk because their receivers weren't recovering fast enough. The
>beep gives them 300 ms to recover. Users with noiseless squelch radios
>never knew when the repeater dropped without the beep.

I cannot believe what I am reading.

Just when you had built up my respect for you, Gary,
you go a do something like this! :)

Instead of giving them training-wheel beeps to tell when
the repeater has dropped, maybe they should actually
wait a second to see that the other guy has
finished transmitting.

A side benefit is that someone who wants to
break in has the time to do so, maybe even
with an emergency.

I know it's unfashionable to be neighborly
these days, but it can't hurt to try it on
a repeater.

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rec.nude: your exit to good living along the Information Toll Road.
finger bote@access.digex.net for PGP key and an operator will help you.
Only 5 days until Opening Day! How 'bout them Os!!

End of Info-Hams Digest V94 #344
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